

## INTERNATIONAL SEARCH REPORT

International Application No.

PCT/ZA 03/00118

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F16D13/04 F16D65/14 F16D55/14

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F16D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages    | Relevant to claim No. |
|------------|---|-----------------------|
| X          | GB 321 637 A (EDWARD HENRY JAMES CECIL GILLE) 4 November 1929 (1929-11-04)<br>figures | 1-3                   |
| X          | US 4 733 743 A (WEISS HEINZ ET AL) 29 March 1988 (1988-03-29)<br>figures 5-8          | 1-3                   |
| X          | DE 101 56 348 C (ESTOP GMBH) 30 April 2003 (2003-04-30)<br>claim 1; figures           | 1-3, 20               |
| X          | DE 664 336 C (ARDELTWERKE G M B H) 25 August 1938 (1938-08-25)<br>figures 1,2         | 1-3                   |
|            | -/-   |                       |

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

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\*8\* document member of the same patent family

Date of the actual completion of the International search

2 December 2003

Date of mailing of the International search report

18/12/2003

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages    | Relevant to claim No. |
|------------|---|-----------------------|
| A          | US 3 513 954 A (POPPER JAKHIN BOAS)<br>26 May 1970 (1970-05-26)<br>the whole document | 1                     |

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/ZA 03/00118

| Patent document<br>cited in search report |   | Publication<br>date | Patent family<br>member(s)  | Publication<br>date  |
|---|---|---------------------|---|--|
| GB 321637                                 | A | 04-11-1929          | NONE  |  |
| US 4733743                                | A | 29-03-1988          | DE 3543871 C1<br>AT 41373 T<br>DE 3662355 D1<br>EP 0228617 A2<br>ZA 8609355 A | 02-01-1987<br>15-04-1989<br>20-04-1989<br>15-07-1987<br>31-08-1988 |
| DE 10156348                               | C | 30-04-2003          | DE 10156348 C1<br>DE 10154178 A1<br>WO 02095257 A2<br>WO 02095255 A1          | 30-04-2003<br>12-12-2002<br>28-11-2002<br>28-11-2002               |
| DE 664336                                 | C | 25-08-1938          | NONE  |  |
| US 3513954                                | A | 26-05-1970          | NONE  |  |